H₂N-DAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIIGLMVGGVVIAT-CO₂H (SEQ ID NO: 1) 1 10 20 30 40

FIG. 1

H₂N-Asp-Ala-Glu-Phe-Arg-His-Asp-Ser-Gly-Tyr-Glu-Val-His-His-Gln-Lys-Cys-amide (SEQ ID NO: 2)

FIG. 2

Cys-Tyr-Glu-Val-His-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-amide (SEQ ID NO: 3) 10 15 20 25

FIG. 3

Cys-Met-Val-Gly-Gly-Val-Val-Ile-Ala-Thr-CO₂H (SEQ ID NO: 4) 35 40

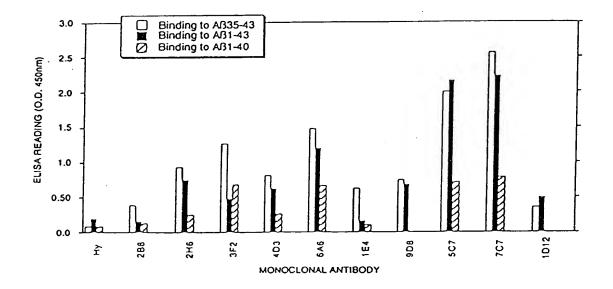


FIG. 5

Cys-Met-Val-Gly-Gly-Val-Val-Ile-Ala-Thr-CO₂H 35

FIG. 6

Cys -Tyr-Glu-Val-His-His-Gln-Lys-Leu-Val-Phe-Phe-Ala-Glu-Asp-Val-Gly-amide
10 15 20 25

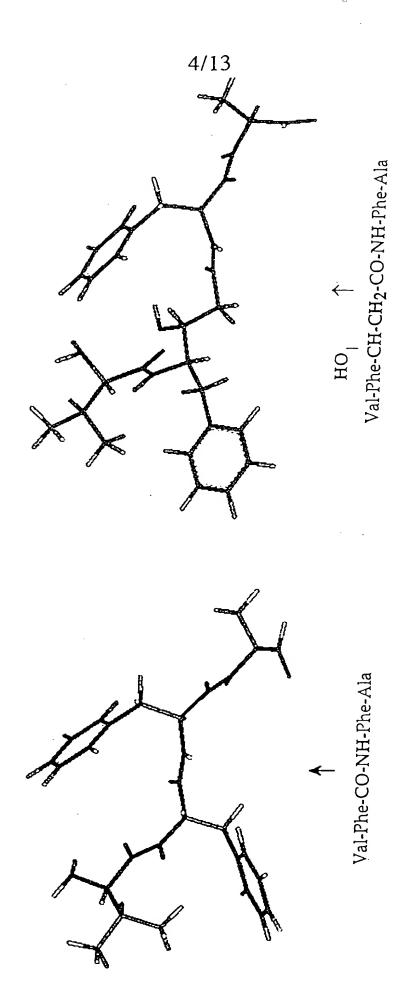
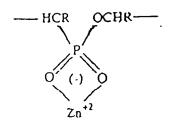


FIG. 8

N-acetyl-Cys-Met-Val-Gly-Gly--CO-NH--Val-Val-Ile-Ala-amide 35

N-acetyl-Cys-Met-Val-Gly-Gly-PO₂-NH-Val-Val-Ile-Ala-amide

Transition-state



Phosphonate

HCR HNCHR—

P

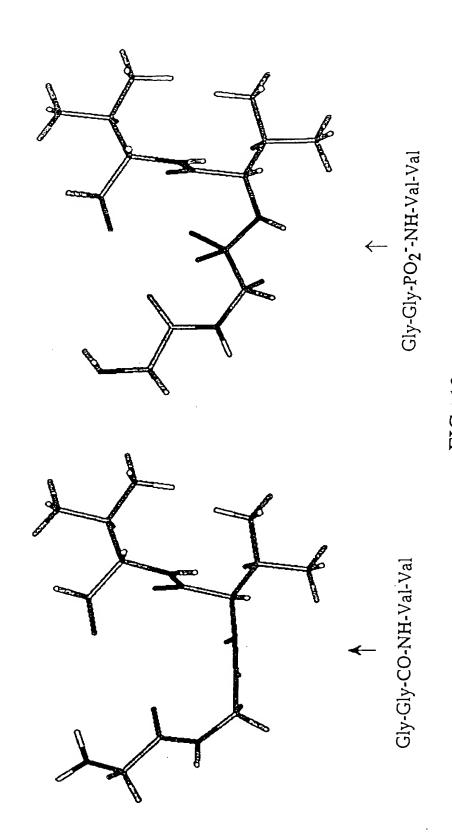
O

(-)

O

Zn+2

Phosphonamidate



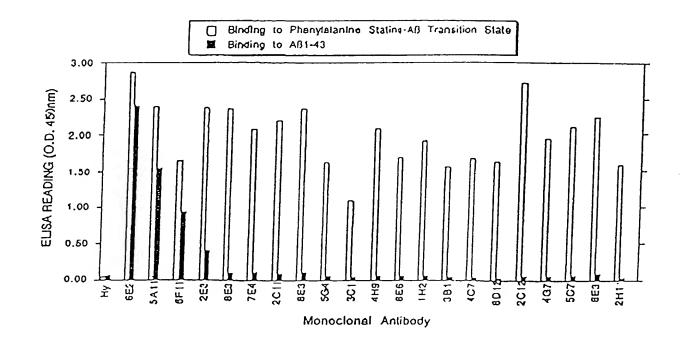


FIG. 13

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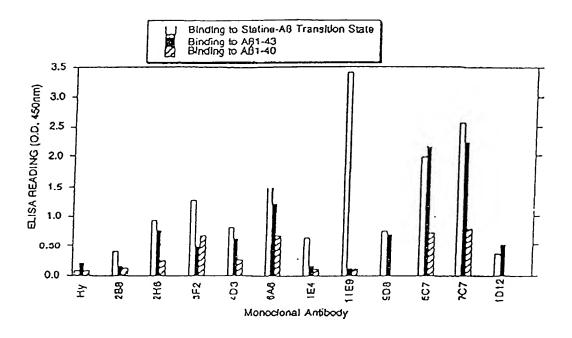


FIG. 14

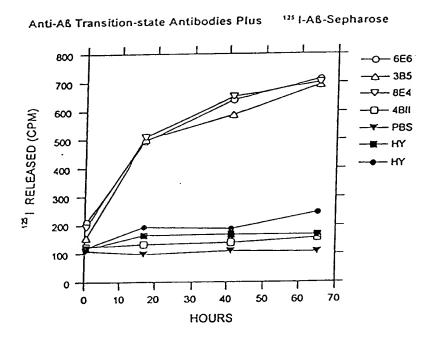
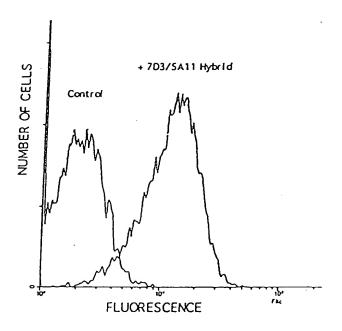


FIG. 15

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Receptor-Positive Cells

FIG. 16

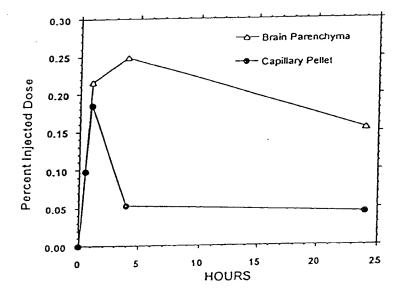


FIG. 17